AT6400™ AllTouch® IR Universal Remote Control

User's Guide

Welcome to the Ultimate Control Experience

Your new AT6400™ AllTouch® Infrared (IR) Universal Remote Control (remote) is a true universal remote, functioning as four remotes in one. As one example, you can use this remote to operate your set-top, your TV, and two other devices, such as a DVD player and VCR.

Important Information About Your Remote

Your remote is initially programmed to only operate your set-top. Therefore, you must program the remote to operate your TV, VCR, or other devices. See **Program the Remote to Control My Devices** to learn how to enter device codes and program your remote.

Note: You must use the IR remote within line of sight of the set-top to operate the set-top correctly.

How Does A Universal Remote Control Work?

You tell the remote which type of device you want to operate using the four keys arched across the top of the remote. These keys, known as **mode keys**, are labeled **STB**, **TV**, **DVD**, and **AUX**. Each mode key is associated with a specific device. As an example, after programming the remote, if you want the remote to operate your TV, you simply press the TV key. Other keys you press on the remote, thereafter, should operate your TV. Want to switch the remote to operate a different device? Just press the mode key for the next device you want to operate. In this guide, you will learn which types of devices you can control and how to program the remote to control your specific devices.

Where Do I Start?

Before you begin using your remote, complete the following initial setup tasks.

Install the Batteries

The remote requires two AA batteries (alkaline recommended). A diagram in the battery compartment of the remote indicates proper placement of the batteries. When batteries are properly installed, the light on the remote blinks each time a key is pressed.

Visit the Quick Reference Section

Use the Quick Reference section of this guide to familiarize yourself with the remote and the functions of its various keys. Knowing the function and location of the keys on the remote will assist you when you are programming the remote.

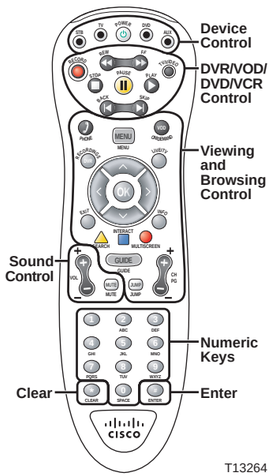
Program the Remote

To learn how to program your remote, refer to the sections **What Devices Can I Control**, **What Devices Do I Want to Control**, and **Program the Remote to Control My Devices** for further instructions.

Find a Place to Store Your Remote

Keeping up with one remote is much easier than keeping up with four or five remotes. However, it is still a good idea to find a storage location for your remote. The AT6400 is not a toy. It should be kept out of the reach of children under the age of 6 years.

Quick Reference



Device Control

- POWER – Turns devices on or off
- STB – Enables set-top mode functions
- TV – Enables TV mode functions
- DVD – Enables DVD mode functions
- AUX – Enables AUX mode functions

DVR, VOD, DVD, VCR Control

Notes:

- In STB mode, these keys control DVR and VOD functions.
- In DVD and AUX modes, these keys may control your DVD or VCR depending on how you have programmed the remote.

- RECORD – Records the selected program
- STOP – Stops DVD, VCR, VOD, or recorded content
- PAUSE – Pauses DVD, VCR, VOD, or recorded content
- PLAY – Plays DVD, VCR, VOD, or recorded content
- TV/VIDEO – Scrolls through available TV or video input sources
- REW / FF – Moves back or forward through recorded or On Demand content
- REPLAY / SKIP – Skips back or forward through recorded or On Demand content

Viewing and Browsing Control

- Phone – Accesses the phone menu
- MENU – Accesses the Interactive Program Guide (IPG)
- VOD / ON DEMAND – Accesses the On Demand Menu
- RECORDINGS – Accesses the DVR list of recordings
- LIVE TV – Views live TV
- Arrow keys – Moves through selections
- OK – Selects and deselects screen items
- EXIT – Clears all menu screens and returns to broadcast TV
- SEARCH – Accesses the search menu
- INTERACT – Accesses INTERACT (Internet and interactive content)
- MULTISCREEN – Turns MultiScreen mode on or off
- INFO – Displays text information about the selected programs
- GUIDE – Displays or closes the program guide
- JUMP – Jumps to next section or switches to last channel
- CH – Selects the next channel, up or down, when watching TV. Moves up or down one page in the program guide and in some menu screens

Sound Control

Note: These keys are assigned to the TV when the TV mode key is programmed with a valid code.

- VOL – Adjusts volume
- MUTE – Mutes sound

Numeric Keys

- 0 – 9 – Enters channel numbers, text, and remote codes. Also use to enter your parental control PIN
- CLEAR – Clears text and numbers in text fields
- ENTER – Enters and saves (stores) an entry

What Devices Can I Control?

The four **mode keys** arched across the top of the remote tell the remote which device you want to operate.

Each mode key is associated with different types of devices. You can use each mode key to control *one* of its associated devices:

Mode Key	Associated Devices
STB	IP gateway set-top
TV*	TVs (including HDTVs)
DVD*	DVD players
AUX*	VCRs, receivers, tuners, and Home Theater in a Box (HTIB)

***These keys can be reassigned to control different devices. Go to the **Reassign Mode Keys** section of this guide for instructions.

LED Indicators

There are red LEDs underneath each of the four mode keys (STB, TV, DVD, and AUX) that flash each time a key is pressed to show which device the key is currently controlling.

There are also green LEDs that illuminate several keys whenever the remote is in use. They stay illuminated for a short time after a key is pressed.

During programming, if the remote times out before you complete the code setup, you will need to start over. This is indicated by one long flash of the red LED.

What Devices Do I Want to Control?

To help you keep track of the devices you want to control, list the type of devices you have (including brand) in the following table. Then, use the code tables at the end of this guide to locate the codes for your device. For example, look under **TV Group** if you need to program the remote to operate your TV. If you have two devices that use the same key, you must reassign the TV, DVD, or the AUX key. The STB key cannot be reassigned. Go to **Reassign Mode Keys**. Otherwise, go to **Program the Remote to Control My Devices** for additional instructions.

Mode Key	Device Type	Brand	Code
Example: DVD	DVD	Sony	2066
STB			
TV			
DVD			
AUX			

Program the Remote to Control My Devices

Your remote is initially programmed to only operate your set-top. You will need to set up the remote to operate your other devices using its TV, DVD, and AUX modes. The TV key may be programmed to operate a standard or high-definition television (HDTV). The DVD key may be programmed to operate a DVD player. The AUX key may be programmed to operate a VCR, a receiver, an amplifier, or a Home Theater in a Box (HTIB) system. If the remote provides only limited functionality for a device, you can look for a code that provides more functionality. Refer to the code tables at the end of this guide to locate additional programming codes.

Note: You have the option to assign some remote keys to operate one device type only. For example, you may want to assign volume control to the TV only. If this is the case, you can reprogram power, volume, and channel control using procedures found later in this guide.

Assigning a Device Code to a Mode Key

1. Refer to the code tables at the end of this guide to locate the information for the device you want to program.

   Note: If your device is not listed, you may be able to program the remote using the Auto-Search function. Go to **What If None of the Codes Work** for instructions.
2. Turn on the device that you want to assign to a mode key.
3. Press and hold the appropriate mode key (**TV**, **DVD**, or **AUX**) on the remote, and then press and hold the **OK** key.
4. Release *both* keys and the mode keys blink twice.
5. Enter the first 4-digit setup code for the device using the numeric keys (0-9) on the remote. The mode key blinks three times to indicate that the code entry was accepted.

   Notes:
   - When an invalid code is entered, the selected mode key displays a long flash to indicate that you have not entered the code correctly.
   - Should the remote time-out before you complete the code setup, you must start over. This is indicated by one long flash of the red LED.
6. Point the remote at the device, and press **POWER** to test the device.
7. Did the device power off?
   - If **yes**, write this code number in the table found in this guide. You may need it again if the device code is accidentally erased.
   - If **no**, repeat this procedure from step 3 using a different setup code.

     Note: If none of the codes listed for your brand of device operate the device correctly, go to **What If None of the Codes Work** for instructions.
8. Repeat this procedure for each mode key you want to program.

What If None of the Codes Work?

If none of the codes listed for your brand of device operate the device correctly, or if your device is not listed in the codes table, you can use the Auto-Search function to search through the code library for a valid code. This section provides procedures for using the Auto-Search function to search the code library for TV, DVD and AUX mode codes.

Note: Read the procedures in this section thoroughly before beginning. You need to be prepared to observe the behavior of the remote.

Auto-Search Features

Consider the following items when using Auto-Search:

- The Auto-Search function begins searching from the first code.
- If a valid code is not found, the green backlight blinks twice and the remote returns to normal operation.
- If any other key is pressed except PLAY, FNTER, POWER, EXIT, REW, FF, or numeric keys 1 through 4 (when programming the AUX mode key), the mode key displays a long red flash (error message) and the remote returns to normal operation.
- Should the remote time-out before you complete the Auto-Search function you must start over. This is indicated by one long flash of the red LED.
- If the device is not listed and the Auto-Search function is unable to find a usable code, you may need to use the original remote provided with the device.

Auto-Searching the Code Library for TV or DVD Mode Codes (Program Code 922)

Note: This procedure only applies to TVs and DVDs.

1. Turn on the device you that you want to assign to the TV or DVD key.
2. Point the remote at the device.
3. Press and *while holding* a selected mode key (**TV** or **DVD**), press the **OK** key. For example, to search for a TV code, press and hold **TV** and **OK** at the same time.
4. Release *both* keys and all the mode keys blink twice.
5. Enter the programming code **9 2 2** by pressing the numeric keys on the remote. The mode key you selected in step 3 blinks twice to indicate a successful entry.
6. Point the remote toward the device, and press **PLAY**.
7. Your device powers off when it finds the correct code. Then, choose one of the following options:
   - **Save code and exit** – Press the **ENTER** key on the remote to program the code in the remote and the mode key flashes three times indicating successful entry.
   - **Step forward** – Press the fast-forward (**FF**) key on the remote to step ahead through the codes one at a time. Then, return to step 6.
   - **Step backward** – Press the rewind (**REW**) key on the remote to step back through the codes one at a time. Then, return to step 6.
   - **Exit without saving the code** – Press the **EXIT** key on the remote. The selected mode key flashes three times and returns to normal operation.
   - **Send the current code** – Press the **POWER** key on the remote to send the current code. If the device turns back on, press the **ENTER** key. If the device does not turn on, return to step 6.
   - **Continue with auto-search function** – Press the **PLAY** key on the remote to continue with the auto-search function. Then, return to step 6.

Auto-Searching the Code Library for AUX Mode Codes (Program Code 922)

1. Turn on the device that you want to assign to the AUX key.
2. Point the remote at the device.
3. Press and *while holding* the **AUX**, press the **OK** key.
4. Release *both* the **AUX** key and the **OK** key and all the mode keys blink twice.
5. Enter the programming code **9 2 2** by pressing the numeric keys on the remote. The AUX key blinks twice indicating a successful entry.
6. Press the **PLAY** key, choose one of the following device categories and then, using the number keys on the remote, press its assigned number (1 – 4) based on the following list:
   1 = VCRs
   2 = Receiver/Tuners
   3 = Amplifiers
   4 = HTIB

   Note: The device categories are number-coded to provide a more direct programming method.
7. Point the remote toward the device, and press **PLAY**.
8. Your device powers off when it finds the correct code. Then, choose one of the following options:
   - **Save code and exit** – Press the **ENTER** key on the remote to program the code in the remote and the mode key flashes three times indicating successful entry.
   - **Step forward** – Press the fast-forward (**FF**) key on the remote to step ahead through the codes one at a time. Then, return to step 7.
   - **Step backward** – Press the rewind (**REW**) key on the remote to step back through the codes one at a time. Then, return to step 7.
   - **Exit without saving the code** – Press the **EXIT** key on the remote. The selected mode key flashes three times and returns to normal operation.
   - **Send the current code** – Press the **POWER** key on the remote to send the current code. If the device turns back on, press the **ENTER** key. If the device does not turn on, return to step 7.
   - **Continue with auto-search function** – Press the **PLAY** key on the remote to continue with the auto-search function. Then, return to step 7.

Reassign Mode Keys

You can reassign a mode key to operate a different device. For example, you can reassign the AUX key to operate a DVD player or a TV. If you reassign a key, be sure you update the table found in this guide.

Reassigning Mode Keys (Program Code 944)

1. Press and hold the **STB** mode key on the remote.
2. Without releasing the **STB** key, press and hold the **OK** key.
3. Release *both* the keys and all mode keys flash twice.
4. Enter the programming code **9 4 4** by pressing the numeric keys on the remote. The STB mode key blinks twice indicating a successful entry.
5. Press and release the mode key associated with the type of device you want to control, and then press and release the mode key that you want to change. The newly assigned mode key blinks one time indicating a successful entry.

   Some common examples:
   - To program the AUX key to operate your DVD player, press **DVD** and then **AUX**.
   - To program the DVD key to operate your TV, press **TV** and then **DVD**.
5. Press and release the mode key for the device you want the volume keys to control. For example, if you want to control volume through your TV, press and release **TV**. The selected mode key blinks three times to indicate a successful entry.

The volume keys now control only one device whether you are in STB, TV, DVD, or AUX mode.

Controlling Volume for Different Devices (Program Code 955)

1. Complete steps 1 through 4 of the **Controlling Volume for One Device** procedure.
2. Press and release the **Enter** key. The STB mode key blinks three times to indicate a successful entry.

After you press the **Enter** key, the volume keys control the device assigned to that mode. For example, in TV mode, the volume keys control volume for the TV only.

Notes:

- If any other key is pressed except the Mode keys and the **ENTER** key, the remote does not accept any changes or updates. The STB mode key displays a long red flash and the remote returns to normal operation.
- If the remote times out before you complete programming volume control, the remote does not accept any changes. You must start over from step 1 of this procedure.

Change Channel Control

The remote is set by default to control channel selection on the set-top. You can also program channel control to control any of the TV, DVD, or AUX mode devices provided the device allows for channel control assignment. Or, you can set the channel selection control programming to control channels (or page up or down) for all of the devices programmed in the four mode keys. Otherwise, you can only control channels (or page up or down) on a specific device, for example, the TV or DVD.

Note: The channel control keys include CH / Page, Jump, and the numeric keys 0 through 9.

Controlling Channels for One Device (Program Code 966)

1. Press and hold the **STB** mode key on the remote.
2. Without releasing the **STB** key, press and hold the **OK** key.
3. Release *both* keys and all mode keys blink twice.
4. Enter the programming code **9 6 6** by pressing the numeric keys on the remote. The STB mode key blinks twice to indicate a successful entry.
5. Press and release the mode key for the device you want the channel key to control. For example, if you want to control channels on your TV, press and release **TV**. The selected mode key blinks three times to indicate a successful entry.

The channel key now always controls the device associated with the mode you selected in this procedure, whether in STB, TV, DVD, or AUX mode.

Controlling Channels for Different Devices (Program Code 966)

1. Complete steps 1 through 4 of the **Controlling Channels for One Device** procedure.
2. Press and release the **Enter** key. The STB mode key blinks three times to indicate a successful entry.

After you press the **Enter** key, the channel key now controls the device associated with the mode key you select. For example, in TV mode, the channel key controls the TV, but in STB mode, the channel key controls the set-top.

Notes:

- If any other key is pressed except the Mode keys and the **ENTER** key, the remote does not accept any changes or updates. The STB mode key displays a long red flash and the remote returns to normal operation.
- If the remote times out before you complete programming channel selection control, the remote does not accept any changes. You must start over from step 1 of this procedure.

Change Volume Control

By default, once the TV mode key is programmed with a valid code, the volume and mute buttons control your TV. These keys adjust the volume of your TV higher, lower, or temporarily switch the volume off (Mute), regardless of whether the remote is in STB, TV, DVD, or AUX mode.

If you prefer, you can choose to have the volume and mute buttons always control a different device rather than your TV, such as a home theater receiver. (See **Controlling Volume for One Device** below.) Note that you must first program one of the mode keys, such as AUX, with a valid code for that device.

Alternatively, you can choose to have the volume and mute buttons control different devices when the remote is in different modes. For example, you might want to control the volume on your TV when in TV mode, but the volume on your home theater receiver when in AUX mode. (See **Controlling Volume for Different Devices** below.) Note that not all devices have volume controls, so if you choose this option, the volume and mute buttons may do nothing in some modes, such as STB and DVD.

Controlling Volume for One Device (Program Code 955)

1. Press and hold the **STB** mode key on the remote.
2. Without releasing the **STB** key, press and hold the **OK** key.
3. Release *both* keys and all mode keys blink twice.
4. Enter the programming code **9 5 5** by pressing the number keys on the remote. The STB mode key blinks twice indicating a successful entry.

Change Power Control

The POWER key on the remote is set by default to control the power switch on one device at a time, in either mode (STB, TV, DVD, or AUX). When in STB mode, the remote switches the set-top from OFF (standby mode) to ON, or from ON to OFF (standby mode). However, you can alternatively program the POWER key to control the power switch on up to four devices at the same time, instead of controlling one device at a time. It is highly recommended that you set up the POWER key to turn on and off your set-top and your TV at the same time. Turning off the set-top saves electricity and extends the life of the box. When turned off, the set-top can *still* record scheduled programs on its DVR and perform any other necessary functions.

Controlling Power for Multiple Devices at Once (Program Code 977)

1. Press and hold the **STB** mode key on the remote.
2. Without releasing the **STB** key, press and hold the **OK** key.
3. Release *both* keys and all mode keys blink twice.
4. Enter the programming code **9 7 7** by pressing the numeric keys on the remote. The STB mode key blinks twice to indicate a successful entry.
5. For the first device, press the **STB** key. The STB mode key blinks twice.
6. For the second device, press the applicable mode key (TV, DVD, or AUX). The selected mode key blinks twice.
7. Repeat step 6 for up to two more devices (total of four devices).
8. Press the **ENTER** key to complete the power switch control programming. The last selected mode key blinks 3 times to indicate a successful entry.

Example: In an example scenario where you press only TV in steps 6 and 7, the POWER key controls *both* the set-top and the TV at the same time, regardless of which mode the remote is in **(**STB, TV, DVD, or AUX).

Controlling Power for One Device at a Time (Program Code 977)

1. Complete steps 1 through 4 of the **Controlling Power for Multiple Devices at Once** procedure.
2. Press the **ENTER** key to complete the power switch control programming. The last selected mode key blinks 3 times to indicate a successful entry.

After you select a mode, the POWER key controls the device assigned to that mode. For example, in TV mode, the remote controls power for the TV only.

Notes:

- If any other key is pressed except the Mode keys and the **ENTER** key, the remote does not accept any changes or updates. The STB mode key displays a long red flash and the remote returns to normal operation.
- If the remote times out before you complete programming power switch control, the remote does not accept any changes. You must start over from step 1 of this procedure.

Put It Back the Way I Got It

You can return all advanced functions back to their original settings by resetting the remote to factory default settings. Resetting the remote to factory default settings removes all of the programming you have entered for the remote. You must reprogram the remote to restore your original settings.

Resetting the Remote to Factory Default Settings (Program Code 900)

1. Press and hold the **STB** mode key on the remote.
2. Without releasing the **STB** key, press and hold the **OK** key.
3. Release *both* keys and all mode keys blink twice.
4. Enter the programming code **9 0 0** by pressing the numeric keys on the remote. The STB mode key blinks four times to indicate you have successfully reset the remote to factory default settings.

Notes:

- If any other key is pressed except the numeric keys, the remote does not accept any changes or updates. The STB mode key displays a long red flash and the remote returns to normal operation.
- If the remote times out before you complete the factory default reset procedure, the remote does not accept any changes. You must start over from step 1 of this procedure.

Troubleshooting

If there is no response when you press the keys on the remote, please check the following items before calling for service.

Check the Batteries

- Are the batteries inserted correctly?
- Check the battery condition for leakage.
- Replace with new alkaline batteries.

Check the Device

- Is the device's power cord connected to the power outlet?
- Is the device switched on?

Check the IR Database Codes List

Is the device brand name for the device listed in the code list?

- If **yes** and there is more than one code listed, try using a different code to provide more functionality
- If **no**, try the following:
  - Use the Auto-Search function to find a usable code.
  - If the Auto-Search function is unable to find a usable code, you may need to use the original remote provided with the device.

Code Tables

If the remote does not recognize your device, you can find codes for your device by brand name. With combination devices (such as a TV with a built-in DVD player), there are separate codes for each device component. Therefore, for ease of use, the combination device codes are listed first. All other code tables in this section are organized by the devices assigned to each mode (TV, DVD, and AUX).

Combination Device Codes

If you have a combination device, you may need to reassign the AUX key to operate one of the devices, for example, the VCR. The following tables provide some examples of combination devices. If your combination device is not listed, simply look for the codes for each separate device.

TV/DVD Combo Codes

Brand	TV	DVD
Apex	1163	2095
Broksonic	1114	2053
RCA	1115, 1162	2063, 2099
Samui	1122	2071
Sylvania	1150	2092
Toshiba	1116	2054

TV/VCR Combo Codes

Brand	TV	VCR
Broksonic	1121	3081
GE	1164	3090
Quasar	1165, 1166	3091, 3092
RCA	1167, 1168	3093, 3094
Samsung	1161	3089
Sylvania	1145	3095
Toshiba	1006	3096
Zenith	1118	3097

TV/DVD/VCR Combo Codes

Brand	TV	DVD	VCR
Panasonic	1123, 1152	2075, 2076	3087, 3086
RCA	1151	2077	3106
Sharp	1153	2086	3100
Sylvania	1027, 1124	2064, 2078	3105, 3088
Toshiba	1154, 1158	2093, 2094	3099, 3098

DVD/VCR Combo Codes

Brand	DVD	VCR
Broksonic	2072	3082
Daewoo	2062	3076
Emerson	2073	3083
Go Video	2046, 2127, 2129	3066, 3110, 3109
Hitachi	2126	3117
JVC	2047, 2097	3067, 3118
Panasonic	2066	3078
Philips	2051	3071
Polaroid	2007	3111
RCA	2048	3068
Samsung	2049, 2074, 2085	3069, 3084, 3101
Sanyo	2050	3070
Sony	2065, 2067	3104, 3085
Toshiba	2080, 2084	3103, 3102
Zenith	2052, 2128	3072, 3119

TV Group

TV Codes

Abex	1098
Admiral	1001, 1099
Advent	1005, 1053, 1110, 1113
Adventura	1100
Aiko	1015
Aiwa	1034
Akai	1002
Alleron	1044
Amtron	1036
Anam National	1003, 1036
AOC	1004, 1005
Apex	1111, 1119, 1163
Audiovox	1036
Belcor	1004
Bell & Howell	1001, 1045
Beng	1042
Bradford	1036
Broksonic	1114, 1121
Brokwood	1004
Candle	1004, 1007, 1100
Celebrity	1002
Citizen	1004, 1007, 1015, 1036, 1073, 1097, 1100
Colortyme	1004
Concerto	1004
Craig	1036
Crosley	1000, 1053
Crown	1036, 1053
Curtis Mathes	1000, 1004, 1014, 1045, 1073, 1097
CXC	1036
Daewoo	1004, 1005, 1013, 1015, 1016, 1097, 1106
Daytron	1004, 1097
Dimensia	1000
Dumont	1160
Dynatech	1004
Electroband	1002
Electrohome	1002, 1003, 1004, 1018, 1021
Emerson	1004, 1011, 1013, 1025, 1028, 1031, 1033, 1036, 1044, 1045, 1080, 1097, 1101, 1102, 1107
Envision	1004
Fisher	1043, 1045, 1047, 1103
Fujitsu	1044, 1029
Funai	1036, 1044
Futuretec	1036
Gateway	1038
GE	1000, 1003, 1004, 1008, 1021, 1048, 1049, 1063, 1068, 1094, 1144, 1164
Gibralter	1160
Goldstar	1004, 1005, 1011, 1018, 1050, 1090, 1091, 1097, 1098
Grunpy	1036, 1044
Hallmark	1004
Harvard	1036

TV Codes, continued

Hisense	1112
Hitachi	1004, 1011, 1012, 1051, 1052, 1084, 1085, 1086, 1087, 1102
IMA	1036
Infinity	1053
Janeil	1100
JBL	1053
JCB	1002
JC Penney	1000, 1004,1005, 1007, 1012, 1021, 1048, 1049, 1058, 1063, 1068, 1072, 1073, 1075,1097, 1098
Jensen	1004
JVC	1011, 1012,1026, 1049, 1052,1054, 1055, 1080, 1092, 1117, 1131
Kawasho	1002, 1004
Kenwood	1004, 1018
Kloss Novabeam	1036, 1056, 1057, 1100
KTV	1036, 1097, 1101
LG	1005
Loewe	1053
Logik	1001
Luxman	1004
LXI	1000, 1004, 1045, 1053, 1058, 1068, 1075
Magnavox	1004, 1007, 1018, 1053, 1056, 1057, 1059, 1060, 1083, 1110, 1147
Majestic	1001
Marantz	1004, 1051, 1053
Megatron	1004, 1051
Memorex	1001, 1004, 1005, 1022, 1045
MGA	1004, 1005, 1018, 1021, 1047, 1061, 1062
Midland	1049, 1068, 1097, 1098, 1160
Minutz	1048
Mitsubishi	1004, 1005, 1018, 1021, 1047, 1061, 1062, 1081
Montgomery Ward	1001
Motorola	1003, 1099
MTC	1004, 1005, 1073
Multitech	1036
NAD	1004, 1058, 1075, 1085
NEC	1003, 1004, 1005
Net-Tv	1040
Nikko	1004, 1015
NTC	1015
Onwa	1036
Optimus	1085
Optonica	1064, 1099
Orion	1023, 1033, 1107
Panasonic	1003, 1010, 1049, 1053, 1096, 1123, 1152
Philco	1003, 1004, 1005, 1007, 1011, 1018, 1053, 1056, 1057, 1059
Philips	1003, 1004, 1007, 1011, 1017, 1018, 1053, 1056, 1057, 1059, 1060, 1063, 1110, 1126, 1129, 1148, 1155
Pilot	1097
Pioneer	1004, 1085, 1102
Polaroid	1146
Portland	1004, 1005, 1015, 1097
Price Club	1073
Prima	1113
Prism	1049
Proscan	1000, 1008, 1068, 1108
Proton	1004, 1011
Pulsar	1160
Pulser	1004
Quasar	1003, 1039, 1049, 1096, 1165, 1166
Radio Shack	1000, 1045, 1098
Radio Shack/Realistic	1004, 1011, 1036, 1045, 1064, 1097, 1098
RCA	1000, 1003, 1004, 1005, 1008, 1018, 1049, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1082, 1102, 1104, 1106, 1108, 1115, 1151, 1162, 1167, 1168
Runco	1160
Sampo	1004, 1097, 1098, 1120
Samsung	1004, 1005, 1011, 1014, 1018, 1019, 1072, 1073, 1074, 1097, 1098, 1156, 1161
Sansui	1023, 1107, 1122
Sanyo	1045, 1062, 1095, 1103
Scotch	1004
Scott	1004, 1011, 1033, 1036, 1044
Sears	1000, 1004, 1012, 1018, 1044, 1045, 1047, 1055, 1058, 1068, 1075, 1076, 1103, 1105
Sharp	1004, 1009, 1011, 1025, 1064, 1077, 1078, 1097, 1099, 1153, 1157
Shogun	1004
Signature	1001
Simpson	1007
Sony	1002, 1109, 1137,
Soundesign	1004, 1007, 1036, 1044
Squareview	1105
SSS	1036
Starlite	1036
Supre-Macy	1100
Supreme	1002
Sylvania	1004, 1007, 1018, 1027, 1053, 1056, 1057, 1059, 1060, 1124, 1145, 1150
Symphonic	1024, 1031, 1036, 1105
Tandy	1099
Tashiko	1058
Tatung	1003
Technics	1049
Techwood	1004, 1049
Teknika	1001, 1004, 1005, 1007, 1011, 1012, 1015, 1036, 1044, 1060, 1073, 1096, 1097
Tera	1004, 1011
TMK	1004
Toshiba	1006, 1045, 1058, 1073, 1075, 1079, 1093, 1116, 1154, 1158, 1159
Totevision	1097
Universal	1048, 1063
Victor	1055
Vidtech	1004, 1005
Viking	1100
Vizio	1004, 1018, 1041, 1042, 1184, 1188
Wards	1000, 1001, 1004, 1005, 1018, 1031, 1044, 1048, 1053, 1056, 1057, 1059, 1060, 1063, 1064
White Westinghouse	1013
Yamaha	1004, 1005, 1018
Zenith	1001, 1089, 1118, 1125, 1161

HDTV Codes

Apex	1088
Daewoo	1135
Dell	1141, 1142, 1146
Mitsubishi	1032
Philips	1126, 1129
Proscan	1000
RCA	1143
Sampo	1038
Samsung	1019
Sony	1037, 1128, 1137
Zenith	1020, 1139

LCD TV Codes

Benq	1136
NET-TV	1040
Sharp	1138
Sylvania	1046

Plasma TV Codes

Acer	1041
Fujitsu	1029
Gateway	1038
Pioneer	1035
Viewsonic	1038, 1149

Projection TV Codes

Hitachi	1030, 1132, 1133, 1134
JVC	1130, 1131
Panasonic	1140
Toshiba	1127

DVD Group

DVD Codes

Aiwa	2026, 2131
Apex	2001, 2056, 2057, 2061, 2095, 2098
Audiovox	2132
Blaupunkt	2136
BOSE	2122, 2130
Broksonic	2053, 2072
Clarion	2100
Classic	2101
Cyberhome (Portable DVD)	2083
Daewoo	2058, 2062, 2137, 2138
Denon	2110, 2133, 2040
Emerson	2002, 2059, 2073
Fisher	2112, 2134
Funai	2002
GE	2079, 2118, 2041
Go Video	2046, 2127, 2129
Go Video (Network DVD)	2124
GPX	2114
Harmon Kardon	2125
Hitachi	2000, 2027, 2126
Irradio	2149
JVC	2017, 2028, 2047, 2090, 2096, 2097, 2115
Kenwood	2142, 2148
Konka	2029, 2030
Koss	2060
Lasonic	2081
Magnavox	2002, 2018, 2033, 2089
Marantz	2143
Memorex	2003
Mintek	2004
Mitsubishi	2019, 2123, 2145, 2147
NAD	2059, 2139
Nakamichi	2116
Nexxtech	2140
Norcent	2005, 2117
Onkyo	2006
Oritron	2009
Panasonic	2031, 2066, 2075, 2076, 2104, 2105, 2106, 2111
Philips	2018, 2032, 2033, 2045, 2051, 2091, 2109
Pioneer	2008, 2021
Polaroid	2007
Proscan	2010, 2118, 2144
Qwestar	2009
RCA	2010, 2048, 2063, 2077, 2099, 2107, 2118
RCA (Portable DVD)	2055
Sampo	2119
Samsung	2012, 2049, 2074, 2085, 2102
Sansui	2071
Sanyo	2034, 2050, 2120
Sharp	2013, 2015, 2044, 2086
Sharp (Portable DVD)	2082
Sherwood	2121
Sony	2014, 2020, 2022, 2065, 2067, 2068,2069, 2070, 2087, 2103, 2108, 2113
Sylvania	2002, 2064, 2078, 2092
Techwood	2141
Toshiba	2023, 2025, 2037, 2038, 2040, 2041, 2054, 2080, 2084, 2088, 2093, 2094
Toshiba (Portable DVD)	2135
Venturer	2011
Yamaha	2106, 2146
Zenith	2039, 2052, 2128

AUX Group

Amplifier Codes

Aiwa	6003, 6020
Carver	6002
Citizen	6026
Denon	6014
Fisher	6002
GE	6028
Goldstar	6016, 6021
Harman Kardon	6013
Hitachi	6034
JVC	6018, 6024
Kenwood	6015, 6022
Maganvox	6035
Marantz	6000
Nakamichi	6012
NEC	6033
Onkyo	6005, 6006, 6017
Optimus	6008
Panasonic	6001
Pioneer	6004, 6009, 6010, 6023, 6036
Proton	6035
Quasar	6001
RCA	6025
Sharp	6029, 6030, 6031, 6032
Sherwood	6011
Sony	6020
Teac	6019
Technic	6001
Technics	6001
Toshiba	6027
Victor	6024
Yamaha	6007

Home Theater in a Box (HTIB) Codes

Brand	Audio	DVD
Bose	4000	2130
JBL	4001	2043
JVC	4002	2035
Koss	4003	2060
Onkyo	4004	2024
Panasonic	4005	2104
Philips	4006	2036
Pioneer	4007	2016
RCA	4008	2042
Sony	4009, 4010	2113, 2108
Venturer	4011	2011

Receiver/Tuner Codes

Aiwa	5000, 5001, 5002, 5004, 5005, 5006
Bose	5007
Bose (Tuner/CD Combo)	5007
Carver	5000
Denon	5008
Harman Kardon	5000, 5009
JBL	5009
JVC	5010
Kenwood	5011, 5012, 5013
Linn	5000
Maganvox	5000
Marantz	5000
Onkyo	5018
Panasonic	5019, 5020
Philips	5000
Pioneer	5021, 5022
RCA	5024, 5025, 5026
Sansui	5000
Sherwood	5027
Sony	5017, 5023, 5028,5029, 5030, 5031, 5032, 5033
Technics	5016, 5019, 5020
Wards	5000, 5021
Yamaha	5003, 5014, 5015,5021

VCR Codes

Admiral	3001
Adventura	3021
Aiwa	3021
Akai	3003, 3055, 3058
Audio Dynamics	3005, 3006
Bell & Howell	3007
Broksonic	3081, 3082
Candle	3011, 3013, 3014
Canon	3016
Carver	3036
Citizen	3011, 3013, 3014
Colortyme	3005
Curtis Mathes	3000, 3005, 3014
Daewoo	3011, 3013, 3021, 3076
DBX	3005, 3006
Dimensia	3000
Dynatech	3021
Electrohome	3023
Emerson	3003, 3011, 3021, 3023, 3038, 3083
Fisher	3007, 3029, 3030
Fuji	3058
Funai	3002, 3021
Garrard	3021
GE	3000, 3059, 3090
Go Video	3066, 3073, 3109, 3110
Goldstar	3005, 3014
Gradiente	3021
Harley Davidson	3021
Harman Kardon	3005
Headquarter	3007
Hitachi	3052, 3055, 3059, 3117
JC Penney	3005, 3006, 3007, 3030, 3036, 3052

VCR Codes, continued

Jensen	3055
JVC	3005, 3006, 3007, 3014, 3055, 3060, 3067, 3118
Kenwood	3005, 3006, 3007, 3014, 3055, 3060
Lloyd's	3021
Magnavox	3036, 3037, 3051, 3061
Marantz	3005, 3006, 3007, 3014, 3036
Memorex	3001, 3004, 3007, 3021, 3051
MGA	3023, 3038
Minolta	3052
Mitsubishi	3023, 3038, 3039, 3060, 3108
Montgomery Ward	3001
Motorola	3001
Multitech	3021
NEC	3005, 3006, 3007, 3014, 3055, 3060
Optimus	3001
Optonica	3047
Orion	3004
Panasonic	3053, 3062, 3063, 3077, 3078, 3079, 3086, 3087, 3107
Pentax	3052, 3059
Pentex Research	3014
Philco	3036, 3037
Philips	3036, 3047, 3061, 3071
Pioneer	3006, 3060
Polaroid	3111
Portland	3013
Proscan	3000
Pulsar	3051
Quarter	3007
Quartz	3007
Quasar	3062, 3091, 3092
Radio Shack	3001, 3047
Radio Shack/Realistic	3007, 3021, 3023, 3029, 3047,
RCA	3000, 3003, 3040, 3041, 3042, 3052, 3059, 3062, 3068, 3075, 3093, 3094, 3106
Realistic	3001, 3007, 3011, 3021, 3023, 3029, 3047
Ricoh	3064
Runco	3051
Samsung	3011, 3069, 3084, 3089, 3101
Sanky	3001, 3051
Sansui	3004, 3006, 3055, 3060
Sanyo	3007, 3070
Scott	3011, 3038
Sears	3007, 3029, 3030, 3052,
Sharp	3001, 3013, 3023, 3047, 3080, 3100
Shintom	3048, 3058
Signature	3001
Singer	3064
Sony	3048, 3049, 3058, 3085, 3104
STS	3052
Sylvania	3021, 3036, 3037, 3038, 3061, 3088, 3095, 3105
Symphonic	3002, 3021
Tandy	3007
Tatung	3055
Teac	3021, 3042, 3055
Technics	3053
Teknika	3021, 3050
Tivo	3074
Toshiba	3011, 3029, 3030, 3038, 3096, 3098, 3099, 3102, 3103
Vector Research	3005, 3006, 3011
Victor	3006
Video Concepts	3005, 3006, 3011
Wards	3001, 3011, 3021, 3023, 3047, 3052
White Westinghouse	3002
XR-1000	3021
Yamaha	3005, 3006, 3007, 3014, 3055
Zenith	3048, 3051, 3058, 3064, 3072, 3097, 3119

Device Program Codes

If you program codes to control devices, record your codes here for easy reference:

STB: _____

TV: _____

DVD: _____

AUX: _____

FCC Compliance

United States FCC Compliance

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against such interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna, if applicable.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the cable company or an experienced radio/television technician for help.

Any changes or modifications not expressly approved by Scientific-Atlanta, Inc., could void the user's authority to operate the equipment.

The information shown in the FCC Declaration of Conformity paragraph below is a requirement of the FCC and is intended to supply you with information regarding the FCC approval of this device. *The phone numbers listed are for FCC-related questions only and not intended for questions regarding the connection or operation for this device. Please contact your cable service provider for any questions you may have regarding the operation or installation of this device.*

FC Declaration of Conformity

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: 1) the device may not cause harmful interference, and 2) the device must accept any interference received, including interference that may cause undesired operation.

AllTouch RF and IR Universal Remote Control AT6400
Scientific-Atlanta, Inc.
5030 Sugarloaf Parkway
Lawrenceville, Georgia 30044 USA
Telephone: **770-236-1077**

Canada EMI Regulation

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la class B est conforme à la norme NMB-003 du Canada.

20060628FDC

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Remote Control Part Number 4021830 (Linux version)
User's Guide Part Number 4019792 Rev A